

Docket No.:
49581/P028US/10103789
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kurt J. Richter et al.

Patent No.: 7,333,791

Confirmation No.: 1074

Filed: December 11, 2001

Art Unit: 2617

For: USE OF AN IMAGE REJECT MIXER IN A
FORWARD DATA CHANNEL TUNER

Examiner: B. W. Taylor

**REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors and omissions which should be corrected.

On the cover page:

On the cover page, located in the inventor's name (left hand column), delete "Jerry T. Bolton" and replace with --Jerry T. Bolton, Jr.--.

On the cover page, located in the References Cited under U.S. Patent Documents, Foreign Patent Documents and Other Publications, please insert the following reference where appropriate:

Other Publications

"250 MHz QAM IF Downconverter", California Eastern Laboratories

PTO Form SB-08 with Cite Number AY, (a copy is enclosed herewith complete with Examiners initials) filed on March 11, 2002, reflects the above mentioned omission to the given reference.

In the Specification:

Column 5, line 13, delete the text "modem" and replace with --modern--.

In the Claims:

In Claim 4, line numbers 3-4, delete the text "prosides" and replace with --provides--.

In Claim 13, line number 34, delete the text "ranac" and replace with --range--.

In Claim 16, line number 46, delete the text "convened" and replace with --converted--.

In Claim 30, line number 59, delete the text "sianal" and replace with --signal--.

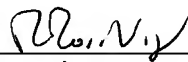
The errors were not in the application as filed by applicant, rather, incorrectly transcribed to the Letters Patent; accordingly no fee is required.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2380, under Order No. 49581/P028US/10103789.

Dated: February 28, 2008

Respectfully submitted,

By 
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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 2

PATENT NO. : 7,333,791
APPLICATION NO. : 10/014,760
ISSUE DATE : February 19, 2008
INVENTOR(S) : Kurt J. Richter et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the cover page, located in the inventor's name (left hand column), delete "Jerry T. Bolton" and replace with --Jerry T. Bolton, Jr.--.

On the cover page, located in the References Cited under U.S. Patent Documents, Foreign Patent Documents and Other Publications, please insert the following reference where appropriate:

Other Publications

"250 MHz QAM IF Downconverter", California Eastern Laboratories

55207228.1

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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2200 Ross Avenue, Suite 2800
Dallas, Texas 75201-2784

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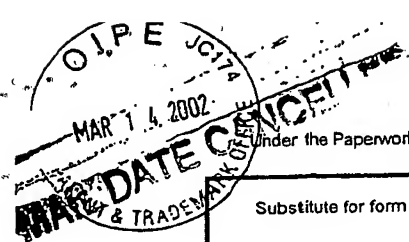
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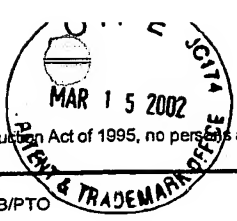
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 MAR 14 2002

 MAR DATE CANCELLATION

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 MAR 15 2002

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PTO/SB/08B (10-01)

 Approved for use through 10/31/2002.OMB 0651-0031

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/014,760
		Filing Date	December 11, 2000
		First Named Inventor	Kurt J. Richter
		Group Art Unit	2121
		Examiner Name	Not Yet Assigned
Sheet 1 of 2	Attorney Docket Number	DO-049581/P02100101995	

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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
BWT	A	6,285,865	09-04-2001	Vorenkamp et al.	
	B	4,581,643	04-08-1986	Carlson	
	C	4,726,072	02-16-1988	Yamashita et al.	
	D	4,742,566	05-03-1988	Nordholt et al.	
	E	4,979,230	12-18-1990	Marz	
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	H	5,140,198	08-18-1992	Atherly et al.	
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	M	5,428,836	06-27-1995	Sannecki et al.	
	N	5,563,545	10-08-1996	Scheinberg	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	(Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
BWT	O	Meyer, Robert G. "A 1-GHz BiCMOS RF Front-End IC." IEEE Journal of Solid-State Circuits; Vol. 29 No. 3 (March 1994): 350-355.			
	P	Kinet, Peter and Michiel Steyaert. "A 1 GHz CMOS Upconversion Mixer". IEEE Custom Integrated Circuits Conference. (1996) 197-200.			
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	X	Archer, John, and John Granlund, and Robert E. Mauzy. "A Broad-Band UHF Mixer Exhibiting High Image Rejection over a Multidecade Baseband Frequency Range." IEEE Journal of Solid-State Circuits, Vol. SC-16 No. 4 (August 1981) 385-392.			
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	AA	Scheinberg, N., et al. "A GaAs Up Converter Integrated Circuit for a Double Conversion Cable TV "Set-Top" Tuner" International Conference on Consumer Electronics. (June 1993). 108-109.			
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PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

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First Named Inventor	Kurt J. Richter
Group Art Unit	2121
Examiner Name	Not Yet Assigned
Attorney Docket Number	DO-049581/PO-00057019-785

SWT		Symposium Technical Digest. (1984). 97-98.	
	AE	Nakatsuka, T., et al. "Low Distortion and Low Noise Oscillator Mixer for CATV Converters." GaAs Symposium Technical Digest. (1988). 161-164.	
	AF	Brady, Vernon, et al. "Development of a Monolithic FET Ka-Band Single Side Band UFConverter and Image Reject Downconverter." GaAs Symposium Technical Digest (October 1989) 189-192.	
	AG	Ablassmeier, Ulrich, et al. "GaAs FET Upconverter for TV Tuner" IEEE Transactions on Electron Devices, Vol ED-27, No. 6. (June 1980). 1156-1159.	
	AH	Maas, Stephen A. "A GaAs MESFET Mixer with Very Low Intermodulation" IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-35, No. 4. (April 1987). 425-429.	
	AI	Pandula, Louis. "Image Reect and Image Canceling Mixers" RF Design. (April 1995). 60-65.	
	AJ	Svelto, F., et al. "A Low-Voltage Topology After CMOS RF Mixers." IEEE Transactions on Consumer Electronics., Vol. 45, No. 2 (May 1999). 299- 309.	
	AK	Gilbert, Barrie. "The MICROMIXER: A highly Linear Variant of the Gilbert Mixer using a Bisymmetric Class-AB Input Stage" IEEE Journal of Solid-State Circuits, Vol. 32, No. 9, (September 1997). 1412-1423.	
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	AQ	Lovelace, David, et al. "Silicon Upconverter RF IC Simplifies Cable Modem Designs" Microwaves & RF (March 1997). 136-142.	
	AR	Farmer, James O. "Specifications for Tuner Design for use in Cable Ready Television Receivers and VCRs." IEEE Transactions on Consumer Electronics, Vol. 36, No. 3., (August 1990). 660-668.	
	AS	Abidi, Asad A. "Direct-Conversion Radio Transceivers for Digital Communications." IEEE International Solid-State Circuits Conference. (1995). 186-187; 363-364.	
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	AW	Sabin, William E. & Edgar O. Schoenike. "Single -Sideband Systems & Circuits." McGraw Hill Book Company. New York. (1987). 88-134, 181-213.	
	AX	"Opencable Set-top Terminal CORE Functional Requirement for Bi-directional Cable" Interim Specification, Cable Television Laboratories, Inc. 2000; pp.12-14	
	AY	"250 MHz QAM IF Downconverter" California Eastern Laboratories	
DWT	AZ	"A Dual-Channel QAM/QPSK Receiver IC with Integrated Cable Set-Top Box Functionality" Lionel D'Luna et al.; IEEE 1998 Custom Integrated Circuits Conference; pp. 351-352	

Examiner Signature	<i>Barry J. Taylor</i>	Date Considered	2/24/06
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.